

Assumptions:

- * Streamflows were adjusted to the January Final Water Supply Forecast and shaped 59 different ways based on observed historical runoff.
- * Starting Elevations were actual Dec 31 observed data.
- * Hungry Horse operates to VARQ while meeting minimum flows at Columbia Falls, targets full in June, and drafts to 3540 ft by 31 Aug.
- * Brownlee operates to flood control elevations.
- * Dworshak targets full in June, releases a maximum of 13,000 cfs in July - August for LWG and targets 1520 ft by 31 Aug.
- * Libby operates on minimum flow or VARQ flood control Dec - Mar releases flow for sturgeon and bull trout in May and June, targets full in July, and drafts to 2439 ft by 31 Aug.
- * **Alternative 1: Targets April 10 Flood control at Grand Coulee and meets 65 kcfs at Vernita Bar (Jan-Mar)**
- * **Alternative 2: Meets 125 kcfs Jan-Mar for chum and targets April 10 Flood control at Grand Coulee**

Results:

Priest Rapids Meets Flow Objectives of 70 kcfs Jan - Apr1 and 135 kcfs Apr2 - Jun:

Month	Alternative 1 (Apr 10)		Alternative 2 (Chum)	
	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)
Jan	54	78	59	86
Feb	19	68	45	77
Mar	24	69	39	73
Apr1	38	93	22	65
Apr2	15	114	8	104
May	50	148	48	147
Jun	38	112	36	112

Lower Granite Meets Flow Objectives of 85 kcfs in Apr - May, 73.3 kcfs in June and 50 kcfs in Jul - Aug:

Month	Alternative 1 (Apr 10)		Alternative 2 (Chum)	
	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)
Apr2	4	60	4	60
May	38	92	38	92
Jun	33	76	33	76
Jul	8	42	8	42
Aug1	0	32	0	32
Aug2	0	23	0	23

McNary Meets Flow Objectives of 220 kcfs in Apr2 - Jun and 200 kcfs in Jul - Aug:

Month	Alternative 1 (Apr 10)		Alternative 2 (Chum)	
	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)
Apr2	5	170	4	161
May	59	230	57	229
Jun	17	209	17	208
Jul	1	151	1	151
Aug1	0	142	0	142
Aug2	0	128	0	128

Bonneville Meets Flow Objectives of 125 kcfs in Jan - Apr:

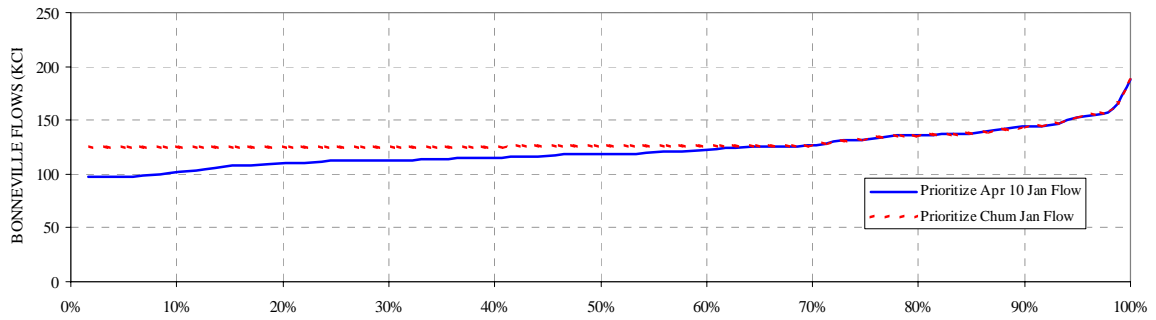
Month	Alternative 1 (Apr 10)		Alternative 2 (Chum)	
	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)	Occurrences out of 59 Years	Average Flow for 59 Years (kcfs)
Jan	22	123	59	130
Feb	13	117	55	127
Mar	21	123	22	127
Apr1	52	163	32	134
Apr2	56	191	53	181

Projects Refill by 30 June:

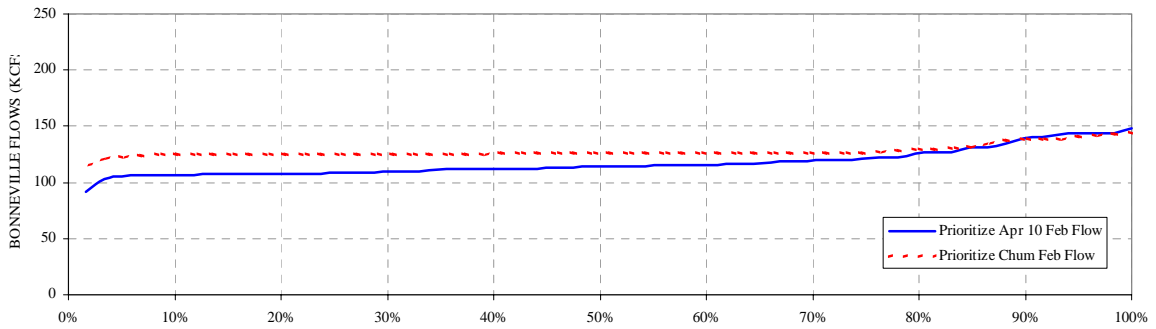
Month	Alternative 1 (Apr 10)		Alternative 2 (Chum)	
	Occurrences out of 59 Years	Average Elevation on 30 Jun for 59 Years	Occurrences out of 59 Years	Average Elevation on 30 Jun for 59 Years
Libby *	8	2451	8	2451
Hungry Horse	3	3556	3	3556
Grand Coulee	59	1288	59	1288
Dworshak	17	1594	17	1594

* Libby refills 58 out of 59 years by 31 Jul with an average elevation of 2458.9 ft for the 59 years in both alternatives.

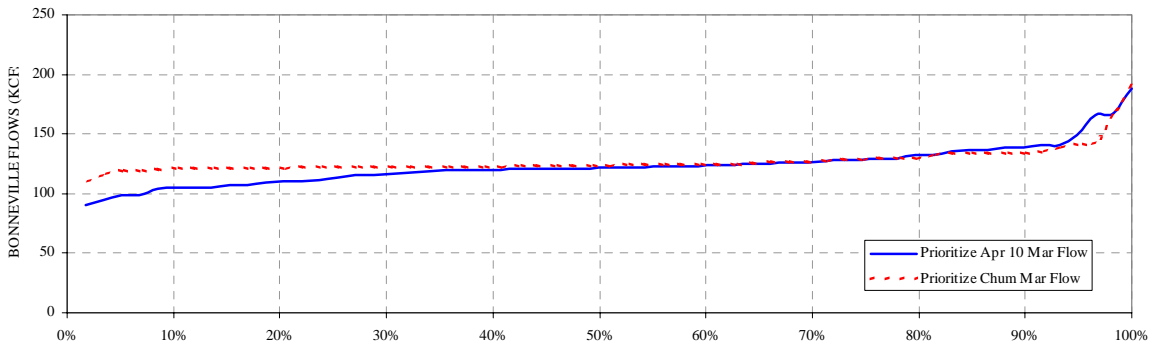
BONNEVILLE JAN OUTFLOWS



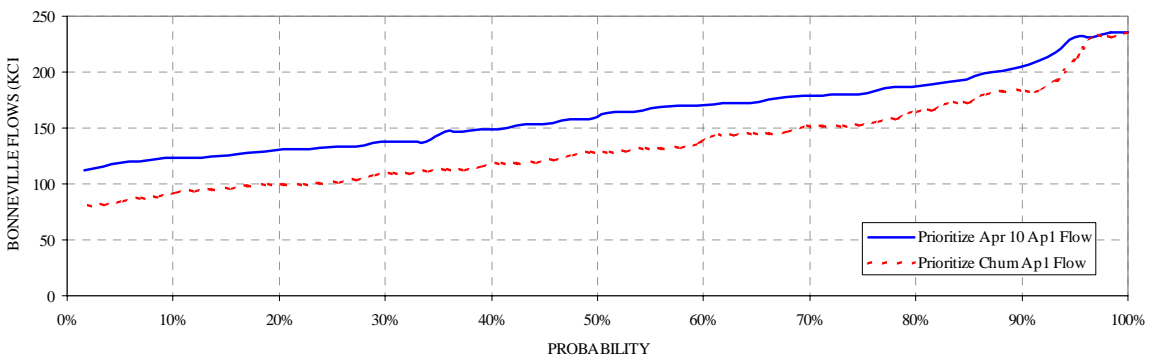
BONNEVILLE FEB OUTFLOWS



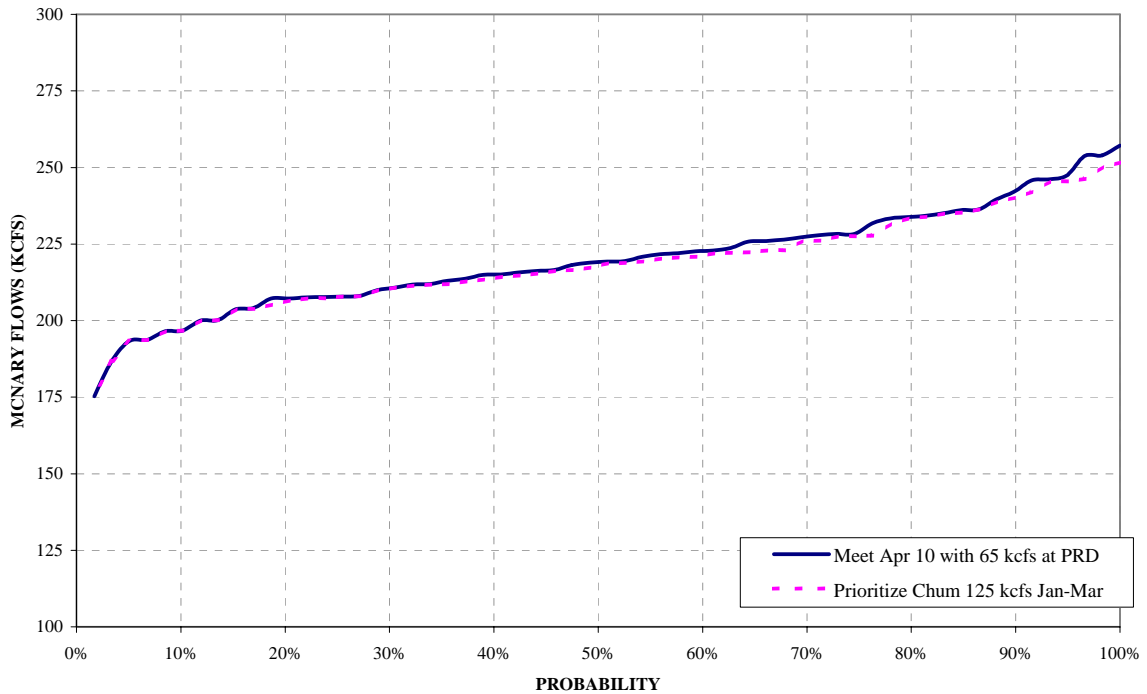
BONNEVILLE MAR OUTFLOWS



BONNEVILLE Apr 1-15 OUTFLOWS



**MCNARY OUTFLOW
MAY-JUNE AVERAGE**



**GRAND COULEE
APR 15 ELEVATION**

